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PATENT SPECIFICATION



Convention Date (Hungary): April 19, 1924.

232,563

Application Date (In United Kingdom): March 18, 1925. No. 7266/25.

Complete not Accepted.

COMPLETE SPECIFICATION.

Improvements in or relating to Seed Pickling Preparations.

We, CHEMISCHE FABRIK LUDWIG MEYER, of Ingelheimstrasse 9, Mainz, Germany, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

Mercury compounds have been used for a long time for attacking seed diseases, but they have not been successful against diseases in turnips. Phenol also has been used for the same purpose, but the action of this substance in the case of grain was unsuccessful, and even in the case of rape seed it was successful only when the phenol was allowed to act for 20 hours. However, this treatment affected the germinating conditions of the rape seed.

It has been found now, that by mixing mercury compounds with phenol, seed pickling preparations are obtained which are excellent in every respect, more particularly in the case of root mortification of turnips and also in the case of grain diseases (for instance Fusarium on rye) for they not only attack the diseases of the seeds, but they also lead to a considerable increase in yield, even when using sound seeds.

With such preparations other fungi-

cides or additions can be mixed such as kaolin, fossile meal and the like or alcohols.

EXAMPLES:

- | | | | |
|-----------------------|---|---------|----|
| 1) Mercury chloride - | - | 100 gr. | 35 |
| Phenol cryst. - | - | 300 | |
| Kaolin - | - | 600 | |
| 2) Mercury chloride - | - | 70 | |
| Phenol cryst. - | - | 300 | 40 |
| Alcohol - | - | 630 | |

Application: 0.75%— $\frac{1}{2}$ to 1 hour.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A seed pickling preparation characterised by mercury compounds mixed with phenol, with or without other fungicides, additional substances, or alcohols.
2. The seed pickling preparation substantially as described.

Dated this 17th day of March, 1925.

CHEMISCHE FABRIK LUDWIG MEYER, 55

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